

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3105	tape and piezoelectric and guide	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 08:32
L2	171	L1 and ("360"/\$.ccls. or "720"/\$.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 08:32
L3	1237	piezoelectric with guide	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 08:37
L4	152231	"360"/\$.ccls. "720"/\$.ccls. "242"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 08:37
L5	44	L3 and L4	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 08:37
L6	141	piezoelectric with (rail pole guide) with motor	EPO; JPO; DERWENT	OR	ON	2007/04/02 08:40
L7	114	piezoelectric with (rail pole guide) with motor	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 08:43
L8	592466	(piezoelectric motor tape guide pushing).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 08:44
L9	1	(piezoelectric motor tape guide pushing).clm.	US-PGPUB; USPAT; USOCR	AND	ON	2007/04/02 08:45
L10	14	("3526726" "4258398" "4987334" "5050157" "5191492" "5280402" "5438469" "5450257" "5500777" "5877579" "6078440" "6541931" "6563767").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 08:52
L11	82	(360/261.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/04/02 08:55
L12	5	11 and piezoelectric	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 08:55
S1	0	"10764842"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 08:34
S2	1	"10/764842"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/11 17:04
S3	3	((("6563767") or ("6541931") or ("5877579")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/11 17:05

## EAST Search History

S4	9052	tape and piezoelectric	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 15:54
S5	416	S4 and ("360"/\$.ccls. or "720"/\$.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 15:54
S6	0	"10764842"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 12:00
S7	1	"10/764842"	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 13:47
S8	28	("2656419"   "2858373"   "2937239"   "3183516"   "3204228"   "3526726"   "3706861"   "3787616"   "3900888"   "Re20213").PN. OR ("4258398"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 14:28
S9	3	("5877579" "6541931" "6563767").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 14:28
S10	2754	tape and piezoelectric and guide	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 09:27
S11	167	S10 and ("360"/\$.ccls. or "720"/\$.ccls. )	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 15:54
S12	55	("3692255"   "4313143"   "4630147"   "4677505"   "4713707"   "4717978"   "4750067"   "4858047"   "4985787"   "5008765"   "5050025"   "5105322"   "5148336"   "5148341"   "5191492"   "5196969"   "5198947").PN. OR ("5280402").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/17 16:09
S13	1	"56074822".pn.	JPO; DERWENT	OR	ON	2006/07/18 11:16
S14	7	"2115210"	EPO; DERWENT	OR	ON	2006/07/18 11:17
S15	0	"91366799"	DERWENT	OR	ON	2006/07/18 13:20
S16	1	("5280402").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/18 13:20
S17	1	guide and S16	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 13:24
S18	1	piezoelectric and S16	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 13:35

## EAST Search History

S19	1810	piezoelectric and guide and head and tape	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 13:36
S20	162	S19 and ("360"/\$.ccls. "242"/\$.ccls.)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/18 13:50
S21	79	(360/261.1).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/20 13:44
S22	49	("5270891" "5408376" "5513051" "4970707" "6198203" "4489352" "4542425" "4558381" "4764819" "4794472" "5210663" "5313347" "5331480" "5471352" "5725168" "5947402" "6118637" "6190006" "6577370" "6769761" "20040041887" "20040104978" "20040218019" "4958111" "5218259" "5295288" "6184609" "4285017" "4295172" "4393417" "4393416" "4630146" "4780774" "4796123" "4991031" "5191492" "5371636" "5438469" "5463506" "5646803" "6215755" "6215755" "4924336" "6018434" "4285016" "4313141" "4611251" "4791505" "4825059" "4825984" ).pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 08:34
S23	1146	piezoelectric with guide	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:41
S24	148935	"360"/\$.ccls. "720"/\$.ccls. "242"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 09:37
S25	42	S23 and S24	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 09:37
S26	1223	piezoelectric with (pole rail)	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 10:51
S27	6	S25 and S26	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 13:42
S28	1	("5050157").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/20 13:44
S29	12	("4188645"   "4302830"   "4479051"   "4538191"   "4605977"   "4745589"   "4955598").PN. OR ("5050157"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 13:45

## EAST Search History

S30	3	"59096881".pn,59109038.pn. "59188381".pn."60091879".pn. "02022996".pn.	JPO	OR	ON	2006/07/20 14:33
S31	1	("5050157").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/20 14:33
S32	12	("4188645"   "4302830"   "4479051"   "4538191"   "4605977"   "4745589"   "4955598").PN. OR ("5050157"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:33
S33	12	("4188645"   "4302830"   "4479051"   "4538191"   "4605977"   "4745589"   "4955598").PN. OR ("5050157"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:40
S34	1	("5050157").PN. OR ("6078440"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:40
S35	71	piezoelectric with guide with motor	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:41
S36	103	piezoelectric with (rail pole guide) with motor	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/02 08:40
S37	23	("2488586"   "2686882"   "3211931"   "3573960"   "4160184"   "4180892"   "4210837"   "4211951"   "4349183"   "4392935"   "4453103"   "4523120"   "4565941").PN. OR ("4987334"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/20 14:47
S38	1	("4987334").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/07/20 14:49